ELSEVIER

Physica C 266 (1996) 353–355

PHYSICA C

Author Index to Volume 266

Acha, C., see Chaillout, C., **266**, 215
Adachi, S., see Wu, X.-J., **266**, 261
Altunbaş, M., see Dzhafarov, T.D., **266**, 329
Amezcua, L.E., see Pereyra, P., **266**, 81

Bando, Y., see Kawahara, T., **266**, 149
Baran, M., see Wisniewski, A., **266**, 309
Baziljevich, M., T.H. Johansen, H. Bratsberg, Y. Galperin, P.E. Lindelof, Y. Shen and P. Vase, New simple method to measure j_c in superconducting films using magneto-optics, **266**, 127
Beasley, M.R., see Durusoy, H.Z., **266**, 253
Bobyl, A.V., M.E. Gaevski, S.F. Karmanenko, I.A. Khrebtov, V.N. Leonov, D.V. Shantsev, V.A. Solov'ev and R.A. Suris, Magneto-depending noise of a single latent weak link in $YBa_2Cu_3O_{7-x}$ film, **266**, 33
Bordet, P., see Chaillout, C., **266**, 215
Bratsberg, H., see Baziljevich, M., **266**, 127

Cao, L., see Eversmann, K., **266**, 27
Cao, L.X., Y. Xu, B.R. Zhao, T. Yang, Y. Zhu, D.F. Zhang, J.H. Zhao, Y.F. Fu, X.J. Li, B. Xu, Y.Z. Zhang, F. Wu, B. Yin, S.Q. Guo, J.W. Li, S.L. Jia, J.H. Jiang and L. Li, Superconductivity and ferroelectricity of $Pb(Zr,Ti)O_3/YBa_2Cu_3O_7$ integrated films, **266**, 143
Cardoso, J.L., see Pereyra, P., **266**, 81
Chaillout, C., S. Le Floch, E. Gautier, P. Bordet, C. Acha, Y. Feng, A. Sulpice, J.L. Tholence and M. Marezio, Enhancement of T_c of $C_yCu_{1-y}Ba_2Ca_2Cu_3O_x$ from 67 K to 120 K by reduction treatments, **266**, 215
Chen, Y.Y., see Lee, W.H., **266**, 138
Czurda, C., see Wisniewski, A., **266**, 309

Dennis, K.W., see Margulies, L., **266**, 62
Doughty, C., see Kwon, C., **266**, 75
Dubovitskii, A.V., see Sedykh, V., **266**, 51
Durusoy, H.Z., D. Lew, L. Lombardo, A. Kapitulnik, T.H. Geballe and M.R. Beasley, Proximity junctions on $Bi_2Sr_2CaCu_2O_8$ single crystals, **266**, 253
Dzhafarov, T.D., M. Altunbaş and O. Görür, High-temperature thermal expansion of BiPbSrCaCuO superconductors, **266**, 329

Eversmann, K., A. Handstein, G. Fuchs, L. Cao and K.-H. Müller, Superconductivity and magnetism in $(Ho_xY_{1-x})Ni_2B_2C$, **266**, 27

Feng, Y., see Chaillout, C., **266**, 215
Forkl, A., see Jooss, Ch., **266**, 235
Fu, Y.F., see Cao, L.X., **266**, 143
Fuchs, G., see Eversmann, K., **266**, 27
Fujita, F.E., see Sedykh, V., **266**, 51
Fukunaga, O., see Yamauchi, H., **266**, 345
Furman, G.B., E.M. Kunoff and S.D. Goren, Nuclear spin-lattice relaxation via thermal vortex motion in superconductors, **266**, 203

Gaevski, M.E., see Bobyl, A.V., **266**, 33
Galperin, Y., see Baziljevich, M., **266**, 127
Gaoji, X., see Wu, X.S., **266**, 296
Gautier, E., see Chaillout, C., **266**, 215
Geballe, T.H., see Durusoy, H.Z., **266**, 253
Geerk, J., see Schneider, P., **266**, 271
Goren, S.D., see Furman, G.B., **266**, 203
Görür, O., see Dzhafarov, T.D., **266**, 329
Griessen, R., see Schnack, H.G., **266**, 285
Güntherodt, H.-J., see Ishida, T., **266**, 1
Guo, S.Q., see Cao, L.X., **266**, 143

Habermeier, H.-U., see Jooss, Ch., **266**, 235
Handstein, A., see Eversmann, K., **266**, 27
Hardy, V., see Maignan, A., **266**, 173
Haugan, T., S. Patel and D.T. Shaw, A study of bubble-defect formations in Ag sheathed $Bi_2Sr_2CaCu_2O_{8+x}$ (Bi-2212) superconducting tapes, **266**, 183
Heeck, K., see Schnack, H.G., **266**, 285
Hirata, K., see Ishida, T., **266**, 1
Hiroi, Z., N. Kobayashi and M. Takano, Synthesis, structure, and superconductivity of $Ca_{2-x}Na_xCuO_2Cl_2$, **266**, 191
Huang, X.R., see Wu, X.S., **266**, 296

Ishida, T., K. Okuda, K. Hirata, H.P. Lang and H.-J. Güntherodt, Matching effect between the density of screw dislocations and the break field in the irreversibility lines of $YBa_2Cu_3O_{7-\delta}$ films, **266**, 1
Ito, T., see Yamauchi, H., **266**, 345

Jackson, E.M., see Weaver, B.D., **266**, 210
Ji, W., see Wu, X.S., **266**, 296
Jia, S.L., see Cao, L.X., **266**, 143
Jiang, J.H., see Cao, L.X., **266**, 143
Jiang, S.S., see Wu, X.S., **266**, 296

Johansen, T.H., see Baziljevich, M., **266**, 127
Jooss, Ch., A. Forkl, R. Warthmann, H.-U. Habermeier, B. Leibold and H. Kronmüller, Thickness and roughness dependence of magnetic flux penetration and critical current densities in $YBa_2Cu_3O_{7-\delta}$ thin films, **266**, 235

Kambara, M., see Nakamura, M., **266**, 178
Kapitulnik, A., see Durusoy, H.Z., **266**, 253
Karmanenko, S.F., see Bobyl, A.V., **266**, 33
Karpinski, J., see Löhle, J., **266**, 104
Karppinen, M., see Yamauchi, H., **266**, 345
Kato, M., A. Sakuma, T. Noji and Y. Koike, Synthesis of the Pb-based superconductor of the Pb3201 phase $(Pb_2Cu)Sr_{0.9}La_{1.1}CuO_{6+\delta}$ by the modified polymerized complex method, **266**, 109
Kawahara, T., T. Suzuki, E. Komai, K. Nakazawa, T. Terashima and Y. Bando, Electric-field effect on transport and superconducting properties of $YBa_2Cu_3O_{7-x}$, **266**, 149
Khrebtov, I.A., see Bobyl, A.V., **266**, 33
Kobayashi, N., see Hiroi, Z., **266**, 191
Koike, Y., see Kato, M., **266**, 109
Kokotin, A.M., see Sedykh, V., **266**, 51
Komai, E., see Kawahara, T., **266**, 149
Koshizuka, N., see Wen, J.G., **266**, 320
Kramer, M.J., see Margulies, L., **266**, 62
Kronmüller, H., see Jooss, Ch., **266**, 235
Kunoff, E.M., see Furman, G.B., **266**, 203
Kunold, A., see Pereyra, P., **266**, 81
Kwon, C., Q. Li, I. Takeuchi, P.A. Warburton, C. Doughty, S.N. Mao, X.X. Xi and T. Venkatesan, Superconducting properties of ultra-thin $YBa_2Cu_3O_7$ layers in $(Pr_xY_{1-x})Ba_2Cu_3O_7/YBa_2Cu_3O_7/(Pr_xY_{1-x})Ba_2Cu_3O_7$ trilayer structures, **266**, 75

Lang, H.P., see Ishida, T., **266**, 1
Lee, W.H., H.K. Zeng, Y.D. Yao and Y.Y. Chen, Superconductivity in the Ni based ternary carbide $LaNiC_2$, **266**, 138
Le Floch, S., see Chaillout, C., **266**, 215
Lehndorff, B., see Oskina, T.E., **266**, 115
Leibold, B., see Jooss, Ch., **266**, 235
Lele, P. and A.S. Nigavekar, Interface mechanism of Co/BiSrCaCuO system studied by XPS and UPS techniques, **266**, 278
Leonov, V.N., see Bobyl, A.V., **266**, 33
Lew, D., see Durusoy, H.Z., **266**, 253
Lewalter, A., F. Ludwig, D. Reimer and M. Schilling, Temperature dependence of noise properties of directly coupled $YBa_2Cu_3O_7$ magnetometers with $PrBa_2Cu_3O_7$ ramp-type Josephson junctions, **266**, 303
Li, J.W., see Cao, L.X., **266**, 143
Li, L., see Cao, L.X., **266**, 143
Li, Q., see Kwon, C., **266**, 75
Li, X.J., see Cao, L.X., **266**, 143
Lindelof, P.E., see Baziljevich, M., **266**, 127
Linker, G., see Schneider, P., **266**, 271
Löhle, J., J. Karpinski, A. Morawski and P. Wachter, Electrical resistivity and Hall effect of single crystal $HgBa_2Ca_3Cu_4O_{10+\delta}$, **266**, 104
Lombardo, L., see Durusoy, H.Z., **266**, 253
Lu, W.H., see Zhang, X., **266**, 165
Ludwig, F., see Lewalter, A., **266**, 303

Mahajan, S., see Wen, J.G., **266**, 320
Maignan, A., S.N. Putilin, V. Hardy, Ch. Simon and B. Raveau, Magnetic study of $HgBa_2Ca_2Cu_3O_{8+\delta}$ single crystals: effect of doping on irreversibility and fishtail lines, **266**, 173
Mao, S.N., see Kwon, C., **266**, 75
Marezio, M., see Chaillout, C., **266**, 215
Margulies, L., K.W. Dennis, M.J. Kramer and R.W. McCallum, Effect of $P(O_2)$ and Ag content on the decomposition pathway of $Bi_2Sr_2CaCu_2O_x$, **266**, 62
McCallum, R.W., see Margulies, L., **266**, 62
Morawski, A., see Löhle, J., **266**, 104
Morishita, T., see Wen, J.G., **266**, 320
Morris, D.E., see Sinha, A.P.B., **266**, 44
Müller, K.-H., see Eversmann, K., **266**, 27

Nakamura, M., M. Kambara, T. Umeda and Y. Shiohara, Effect of oxygen partial pressure on the neodymium solubility in Ba–Cu–O solvent, **266**, 178
Nakazawa, K., see Kawahara, T., **266**, 149
Narymbetov, B.Zh., see Sedykh, V., **266**, 51
Nath, T.K., see Sattar, A., **266**, 335
Nigavekar, A.S., see Lele, P., **266**, 278
Noji, T., see Kato, M., **266**, 109
Noordeloos, P., see Schnack, H.G., **266**, 285

Okuda, K., see Ishida, T., **266**, 1
Ong, C.K., see Zhang, X., **266**, 165
Onufrieva, F., S. Petit and Y. Sidis, Hole-doped cuprates. From small to large Fermi surface, **266**, 11
Oskina, T.E., Ya.G. Ponomarev, H. Piel, Yu.D. Tretyakov and B. Lehndorff, Structure and properties of BSCCO-whiskers grown from amorphous precursors with foreign dopants, **266**, 115

Pan, F.M., see Wu, X.S., **266**, 296
Parish, J.L., Conductivity with distributed transition temperature in a dirty superconductor, **266**, 59
Parker, S.C., see Zhang, X., **266**, 165
Patel, S., see Haugan, T., **266**, 183
Pereyra, P., J.L. Cardoso, L.E. Amezcua and A. Kunold, Magnetic-field and temperature effects on the critical exponents and tunneling in polycrystalline superconductors, **266**, 81
Petit, S., see Onufrieva, F., **266**, 11
Piel, H., see Oskina, T.E., **266**, 115
Ponomarev, Ya.G., see Oskina, T.E., **266**, 115
Putilin, S.N., see Maignan, A., **266**, 173

Raveau, B., see Maignan, A., **266**, 173
Reimer, D., see Lewalter, A., **266**, 303
Reiner, J., see Schneider, P., **266**, 271
Reissner, M., see Wisniewski, A., **266**, 309

Sakuma, A., see Kato, M., **266**, 109
Sattar, A., J.P. Srivastava, S.V. Sharma and T.K. Nath, Effect of Er-substitution on superconducting and metal–insulator transitions in 2212 bismuth cuprate, **266**, 335
Savvides, N., see Yau, J.K.F., **266**, 223
Schilling, M., see Lewalter, A., **266**, 303
Schnack, H.G., R. Griessen, P. Noordeloos and K. Heeck, Continuously rotatable high field capacitance torque magnetometer, **266**, 285
Schneider, P., G. Linker, R. Schneider, J. Reiner and J. Geerk, The effect of Y and Ba content on the properties of YBaCuO thin films, **266**, 271
Schneider, R., see Schneider, P., **266**, 271
Sedykh, V., F.E. Fujita, I.S. Smirnova, B.Zh. Narymbetov, A.V. Dubovitskii, V.Sh. Shekhtman and A.M. Kokotin, Mössbauer study of modulated structure of $Bi_2Sr_2CaFe_2O_y$ phase, **266**, 51
Shantsev, D.V., see Bobyl, A.V., **266**, 33
Sharma, S.V., see Sattar, A., **266**, 335
Shaw, D.T., see Haugan, T., **266**, 183
Shekhtman, V.Sh., see Sedykh, V., **266**, 51
Shen, Y., see Baziljevich, M., **266**, 127
Shiohara, Y., see Nakamura, M., **266**, 178
Sidis, Y., see Onufrieva, F., **266**, 11
Simon, Ch., see Maignan, A., **266**, 173
Singh, K.K., see Sinha, A.P.B., **266**, 44
Sinha, A.P.B., K.K. Singh and D.E. Morris, Location of calcium in Ca substituted $YBa_2Cu_4O_8$, and impurity phases in off-stoichiometry compositions, **266**, 44
Smirnova, I.S., see Sedykh, V., **266**, 51
Solov'ev, V.A., see Bobyl, A.V., **266**, 33
Sorrell, C.C., see Yau, J.K.F., **266**, 223
Srivastava, J.P., see Sattar, A., **266**, 335
Steiner, W., see Wisniewski, A., **266**, 309
Stephens, G., Anomalous critical current enhancement in superconducting thin films of a-molybdenum silicon, **266**, 230
Suematsu, H., see Yamauchi, H., **266**, 345
Sulpice, A., see Chaillout, C., **266**, 215
Suris, R.A., see Bobyl, A.V., **266**, 33
Suzuki, T., see Kawahara, T., **266**, 149

Takano, M., see Hiroi, Z., **266**, 191
Takeuchi, I., see Kwon, C., **266**, 75
Tamura, T., see Wu, X.-J., **266**, 261
Tanabe, K., see Wu, X.-J., **266**, 261
Tatsuki, T., see Wu, X.-J., **266**, 261
Terashima, T., see Kawahara, T., **266**, 149
Thalmeier, P., Low-energy Nd spin waves in noncollinear Nd_2CuO_4, **266**, 89
Tholence, J.L., see Chaillout, C., **266**, 215
Tretyakov, Yu.D., see Oskina, T.E., **266**, 115

Umeda, T., see Nakamura, M., **266**, 178
Unnikrishnan, C.S., Does a superconductor shield gravity?, **266**, 133

Vase, P., see Baziljevich, M., **266**, 127
Venkatesan, T., see Kwon, C., **266**, 75

Wachter, P., see Löhle, J., **266**, 104
Warburton, P.A., see Kwon, C., **266**, 75
Warthmann, R., see Jooss, Ch., **266**, 235
Watson, G.W., see Zhang, X., **266**, 165
Weaver, B.D. and E.M. Jackson, Temperature dependence of critical current and normal-state resistance in $Tl_2Ba_2CaCu_2O_8$ bicrystal Josephson junctions, **266**, 210
Weber, H.W., see Wisniewski, A., **266**, 309
Wen, J.G., S. Mahajan, T. Morishita and N. Koshizuka, Full coverage of ultra-thin $SrTiO_3$ layer in a-$YBa_2Cu_3O_{7-x}$/$SrTiO_3$/a-$YBa_2Cu_3O_{7-x}$ sandwiched thin film, **266**, 320
Wisniewski, A., C. Czurda, H.W. Weber, M. Baran, M. Reissner, W. Steiner, P.X. Zhang and L. Zhou, Influence of oxygen deficiency and of neutron-induced defects on flux pinning in melt textured bulk $YBa_2Cu_3O_{7-x}$ samples, **266**, 309
Wu, F., see Cao, L.X., **266**, 143
Wu, X.-J., T. Tamura, S. Adachi, T. Tatsuki and K. Tanabe, X-ray diffraction and transmission electron microscopy studies on the structure of the "Pb"-1223 superconductor, **266**, 261
Wu, X.S., S.S. Jiang, N. Xu, F.M. Pan, X.R. Huang, W. Ji, M. Zhiqiang, X. Gaoji and Z. Yuheng, Structure of $La_{1.85}Sr_{0.15}CuO_4$ doped with Zn in high doping level, **266**, 296

Xi, X.X., see Kwon, C., **266**, 75
Xu, B., see Cao, L.X., **266**, 143
Xu, N., see Wu, X.S., **266**, 296
Xu, S.Y., see Zhang, X., **266**, 165
Xu, Y., see Cao, L.X., **266**, 143

Yamauchi, H., M. Karppinen, T. Ito, H. Suematsu and O. Fukunaga, Oxygen stability and thermal decomposition of superconducting $(Cu,C)Ba_2Ca_3Cu_4O_z$ samples, **266**, 345
Yang, T., see Cao, L.X., **266**, 143
Yao, Y.D., see Lee, W.H., **266**, 138
Yau, J.K.F., N. Savvides and C.C. Sorrell, Influence of mechanical strain on critical current density and microstructure of silver-sheathed Bi(Pb)2223 superconducting tapes, **266**, 223
Yin, B., see Cao, L.X., **266**, 143
Yuheng, Z., see Wu, X.S., **266**, 296

Zeng, H.K., see Lee, W.H., **266**, 138
Zhang, D.F., see Cao, L.X., **266**, 143
Zhang, P.X., see Wisniewski, A., **266**, 309
Zhang, X., S.Y. Xu, W.H. Lu, C.K. Ong, S.C. Parker and G.W. Watson, Pressure-induced structural changes in $HgBa_2CaCu_2O_{6+\delta}$, **266**, 165
Zhang, Y.Z., see Cao, L.X., **266**, 143
Zhao, B.R., see Cao, L.X., **266**, 143
Zhao, J.H., see Cao, L.X., **266**, 143
Zhiqiang, M., see Wu, X.S., **266**, 296
Zhou, L., see Wisniewski, A., **266**, 309
Zhu, Y., see Cao, L.X., **266**, 143

ELSEVIER

Physica C 266 (1996) 356–357

PHYSICA C

Materials Index to Volume 266

AC susceptibility
–of $YBa_2Cu_3O_{7-\delta}$ 1
Antiferromagnetic order 27
–in Nd_2CuO_4 89
Applications of high-T_c superconductors 149

Bubble defects
–in Ag-sheated $Bi_2Sr_2CaCu_2O_{8+x}$ tapes 183

Coherence length
–in $YBa_2Cu_3O_7$ layers 75
Compressibility
–of $HgBa_2CaCu_2O_{6+\delta}$ 165
Conductivity 59
Critical current density 127
–in $Tl_2Ba_2CaCu_2O_8$ bicrystal 210
–in $YBa_2Cu_3O_{7-\delta}$ thin films 235
–in $YBa_2Cu_3O_{7-x}$ 309
–of $Bi_{2-x}Pb_xSr_2Ca_2Cu_3O_{10-y}$ superconducting tapes 223
Critical current enhancement in MoSi thin films 230
Critical current exponents
–in $YBa_2Cu_xO_y$ 81
Critical current 230

Defect structures 183
Dirty superconductor 59

Electric resistivity
–of $YBa_2Cu_3O_{7-x}$ 149
Electrical effects 335
Electrical resistivity
–of $Bi_2Sr_2Ca_{1-x}Er_xCu_2O_{8+\delta}$ 335
–of BiPbSrCaCuO 329
–of $HgBa_2Ca_3Cu_4O_{10+\delta}$ single crystals 104
–of $LaNiC_2$ 138
Electronic structure
–of Co/BiSrCaCuo 278

Fermi surface 11
Ferroelectricity
–of $Pb(Zr,Ti)O_3/YBa_2Cu_3O_7$ integrated film 143
Fishtail effect 173
Fluctuation phenomena 33
Flux distribution 127
–in $YBa_2Cu_3O_{7-\delta}$ thin films 235
Flux pinning
–in $YBa_2Cu_3O_{7-\delta}$ 1
–in $YBa_2Cu_3O_{7-x}$ 149
–in $YBa_2Cu_3O_{7-x}$ 309

Granular superconductivity 81
Gravitational shielding 133

HREM
–of *a*-YBCO thin film 320
Hall effect
–in $HgBa_2Ca_3Cu_4O_{10+\delta}$ single crystals 104
High-pressure synthesis
–of $Ca_{2+x}Na_xCuO_2Cl_2$ 191
Hole concentration 149
Hubbard model 11

I-V characteristics 253
Inpurity density 59
Irradiation effect 309
Irreversibility line 173
–of $YBa_2Cu_3O_{7-\delta}$ 1
–of $YBa_2Cu_3O_{7-x}$ 309

Josephson coupling 253
Josephson junction
–of $PrBa_2Cu_3O_7$ 303
Josephson junctions 210

Levitation 133

Magnetic hysteresis loop 285
Magnetic susceptibility
–of $(Ho_xY_{1-x})Ni_2B_2C$ 27
–of $LaNiC_2$ 138
Magnetization
–of $HgBa_2Ca_2Cu_3O_{8+\delta}$ single crystals 173
Magneto-optic imagine 127
Meissner effect 133
Metal–insulator transition
–in $Bi_2Sr_2Ca_{1-x}Er_xCu_2O_{8+\delta}$ 335
Metal-insulator transition
–in $La_{1.85}Sr_{0.15}Cu_{1-y}Zn_yO_4$ 296
Modulated structures 51
Mossbauer spectroscopy
–of $Bi_2Sr_2CaFe_2O_y$ 51

NMR 203
Normal-state resistance
–of $Tl_2Ba_2CaCu_2O_8$ bicrystal 210

Oxygen stoichiometry
–in $(Cu_{0.5}C_{0.5})Ba_2Ca_3Cu_4O_z$ 345
–in $CyCu_{1-y}Ba_2Ca_2Cu_3O_{8+\delta}$ 215

Pair breaking 27
Phase diagram
–of $Nd_{2-x}Ce_xCuO_4$ 89
Phase diagrams
–of $Bi_2Sr_2CaCu_2O_x$ 62
Phase relations
–of $Bi_2Sr_2CaCu_2O_x$ 62
Polymerized complex method 109
Proximity effect
–in $Bi_2Sr_2CaCu_2O_8$ single crystals 253

RPA model 89
Rotatable torque magnetometer 285
Rotation magnetic mysteresis loop 285

Scanning electron microscopy
–of $YBa_2Cu_3O_{7-x}$ film 33
Screw dislocations
–in $YBa_2Cu_3O_{7-\delta}$ 1
Solubility of Nd
–in Ba–Cu–O solvent 178
Specific heat
–of $LaNiC_2$ 138

Spin-lattice relaxation time T_1 203
Squid 303
Strain tolerance
–in $Bi_{2-x}Pb_xSr_2Ca_2Cu_3O_{10-y}$ superconducting tapes 223
Structural changes
–in $HgBa_2CaCu_2O_{6+\delta}$ 165
Structure
–of $(Cu_{0.5}C_{0.5})Ba_2Ca_3Cu_4O_z$ 345
–of *a*-YBCO thin film 320
–of BSCCO whisker 115
–of $Bi_2Sr_2CaFe_2Ox$ 51
–of $Bi_{2-x}Pb_xSr_2Ca_2Cu_3O_{10-y}$ superconducting tapes 223
–of $CyCu_{1-y}Ba_2Ca_2Cu_3O_{8+\delta}$ 215
–of $Ca_{2+x}Na_xCuO_2Cl_2$ 191
–of $HgBa_2CaCu_2O_{6+\delta}$ 165
–of $La_{1.85}Sr_{0.15}Cu_{1-y}Zn_yO_4$ 296
–of YBaCuO thin films 271
–of "Pb"-1223 261
Substitution effect
–in YBaCuO thin films 271
Substitution effects 335
–in $Bi_2Sr_2CaCu_2O_x$ 62
–in $YBa_2Cu_4O_8$ 44
Susceptibility
–of $Ca_{2+x}Na_xCuO_2Cl_2$ 191
Synthesis
–of $(Cu_{0.5}C_{0.5})Ba_2Ca_3Cu_4O_z$ 345
–of $(Pb_2Cu)Sr_{0.9}La_{1.1}CuO_{6+\delta}$ 109
–of BSCCO whisker 115
–of $CyCu_{1-y}Ba_2Ca_2Cu_3O_{8+\delta}$ 215
–of $HgBa_2Ca_2Cu_3O_{8+\delta}$ single crystals 173
–of $La_{1.85}Sr_{0.15}Cu_{1-y}Zn_yO_4$ 296
–of $Pb(Zr,Ti)O_3/YBa_2Cu_3O_7$ integrated film 143
–of YBaCuO thin films 271

TEM
–of "Pb"-1223 261
Thermal expansion
–of BiPbSrCaCuO 329
Thermal vortex motion 203
Thin films 230
t-J model 11
Trilayer structures 75

Upper critical field H_{c2}
–of $(Ho_xY_{1-x})Ni_2B_2C$ 27
Upper critical field H_{c2}
–of $YBa_2Cu_3O_7$ layers 75

Weak couplings 81
Weak links
–in $YBa_2Cu_3O_{7-x}$ film 33
Whiskers 115

X-ray diffraction
–of BiPbSrCaCuO 329
–of $La_{1.85}Sr_{0.15}Cu_{1-y}Zn_yO_4$ 296
–of $Pb(Zr,Ti)O_3/YBa_2Cu_3O_7$ integrated film 143
–of $YBa_2Cu_4O_8$ 44
–of "Pb"-1223 261
XPS
–of Co/BiSrCaCuo 278

ELSEVIER

Physica C 266 (1996) 358

PHYSICA C

Materials Index to Volume 266

$(Cu_{0.5}C_{0.5})Ba_2Ca_3Cu_4O_z$
–oxygen stoichiometry 345
–structure 345
–synthesis 345
$(Ho_xY_{1-x})Ni_2B_2C$
–magnetic susceptibility 27
–upper critical field H_{c2} 27
$(Pb_2Cu)Sr_{0.9}La_{1.1}CuO_{6+\delta}$
–synthesis 109

a-YBCO thin film
–hREM 320
–structure 320

Ag-sheated $Bi_2Sr_2CaCu_2O_{8+x}$ tapes
–bubble defects 183

BSCCO whisker
–structure 115
–synthesis 115
Ba–Cu–O solvent
–solubility of Nd 178
$Bi_2Sr_2Ca_{1-x}Er_xCu_2O_{8+\delta}$
–electrical resistivity 335
–metal–insulator transition 335
$Bi_2Sr_2CaCu_2O_x$
–phase diagrams 62
–phase relations 62
–substitution effects 62
$Bi_2Sr_2CaCu_2O_8$ single crystals
–proximity effect 253
$Bi_2Sr_2CaFe_2Ox$
–structure 51
$Bi_2Sr_2CaFe_2O_y$
–mossbauer spectroscopy 51
$Bi_{2-x}Pb_xSr_2Ca_2Cu_3O_{10-y}$ superconducting tapes
–critical current density 223
–strain tolerance 223
–structure 223
BiPbSrCaCuO
–electrical resistivity 329
–thermal expansion 329
–x-ray diffraction 329

$CyCu_{1-y}Ba_2Ca_2Cu_3O_{8+\delta}$
–oxygen stoichiometry 215
–structure 215
–synthesis 215
$Ca_{2+x}Na_xCuO_2Cl_2$
–high-pressure synthesis 191
–structure 191
–susceptibility 191
Co/BiSrCaCuo
–electronic structure 278
–xPS 278

$HgBa_2Ca_2Cu_3O_{8+\delta}$ single crystals
–magnetization 173
–synthesis 173
$HgBa_2Ca_3Cu_4O_{10+\delta}$ single crystals
–electrical resistivity 104
–hall effect 104
$HgBa_2CaCu_2O_{6+\delta}$
–compressibility 165
–structural changes 165
–structure 165

$La_{1.85}Sr_{0.15}Cu_{1-y}Zn_yO_4$
–metal-insulator transition 296
–structure 296
–synthesis 296
–x-ray diffraction 296
$LaNiC_2$
–electrical resistivity 138
–magnetic susceptibility 138
–specific heat 138

Nd_2CuO_4
–antiferromagnetic order 89
$Nd_{2-x}Ce_xCuO_4$
–phase diagram 89

$Pb(Zr,Ti)O_3/YBa_2Cu_3O_7$ integrated film
–ferroelectricity 143
–synthesis 143
–x-ray diffraction 143
$PrBa_2Cu_3O_7$
–josephson junction 303

$Tl_2Ba_2CaCu_2O_8$ bicrystal
–critical current density 210
–normal-state resistance 210

$YBa_2Cu_xO_y$
–critical current exponents 81
$YBa_2Cu_3O_7$ layers
–coherence length 75
–upper critical field H_{c2} 75
$YBa_2Cu_3O_{7-\delta}$ thin films
–critical current density 235
–flux distribution 235
$YBa_2Cu_3O_{7-\delta}$
–aC susceptibility 1
–flux pinning 1
–irreversibility line 1
–screw dislocations 1
$YBa_2Cu_3O_{7-x}$ film
–scanning electron microscopy 33
–weak links 33
$YBa_2Cu_3O_{7-x}$
–critical current density 309
–electric resistivity 149
–flux pinning 149
–flux pinning 309
–irreversibility line 309
$YBa_2Cu_4O_8$
–substitution effects 44
–x-ray diffraction 44
YBaCuO thin films
–structure 271
–substitution effect 271
–synthesis 271

"Pb"-1223
–structure 261
–tEM 261
–x-ray diffraction 261